

## BIOLOGY NMDCAT EARLIER (CTS) PREP

### PMC UNIT WISE TEST Unit-1

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**03418729745(WhatsApp Groups)**

#### TOPIC:

- ✓ Cell Structure and Function

**Q.1 Find out the multinucleated cell:**

- A. Osteoblast
- B. Osteocytes
- C. Leucocytes
- D. Osteoclast

**Q.2 The group containing only multicellular organisms is:**

- A. Bacteria
- B. Fungi
- C. Protists
- D. Plants

**Q.3 Cell membrane is present in all of the following except:**

- A. Virion
- B. Eubacteria
- C. Archaebacteria
- D. Amoeba

**Q.4 Membranous organelles are absent in:**

- A. Bacteria
- B. Plants
- C. Protists
- D. Animals

**Q.5 All of the following structures are present in both plant and animal cells except:**

- A. Endoplasmic reticulum
- B. Mitochondria
- C. Golgi bodies
- D. Glyoxisomes

**Q.6 A prokaryotic cell may contain:**

- A. Well defined nucleus
- B. Cell wall
- C. True chromosome
- D. Mitochondria

**Q.7 Most abundant component of cell membrane is:**

- A. Carbohydrates
- B. Lipids
- C. Proteins
- D. Nucleic acids

**Q.8 All of the following can cross lipid bilayer of cell membrane easily except:**

- A. Small gas molecules
- B. Ethanol
- C. Steroids
- D. Ions

**Q.9 It is an uphill movement:**

- A. Diffusion
- B. Osmosis
- C. Facilitated diffusion
- D. Active transport

**Q.10 The ribosomes are attached to messenger RNA through:**

- A. Mg<sup>+2</sup>
- B. Smaller subunit
- C. tRNA
- D. Larger subunit

**Q.11 In polysome, a group of ribosomes is attached to:**

- A. Complementary DNA
- B. Ribosomal RNA
- C. Transfer RNA
- D. Messenger RNA

**Q.12 In a prokaryotic cell, new ribosomes are assembled in:**

- A. Cytoplasm
- B. Golgi bodies
- C. Nucleolus
- D. Rough ER

**Q.13 Under an electron microscope, it is a network of channels extending throughout the cytoplasm:**

- A. Cytoskeleton
- B. Golgi complex
- C. Endoplasmic reticulum
- D. Mitochondria

**Q.14 SER are involved in all of the following functions except:**

- A. Metabolism of steroids
- B. Intracellular transport
- C. Detoxification of harmful drugs
- D. Storage of proteins

**Q.15 Proteins are modified into glycoproteins in:**

- A. Ribosomes
- B. Smooth ER

- C. Rough ER  
Q.16 “Suicidal bags” are  
A. Ribosomes  
B. SER  
C. RER  
D. Golgi apparatus  
D. Lysosomes



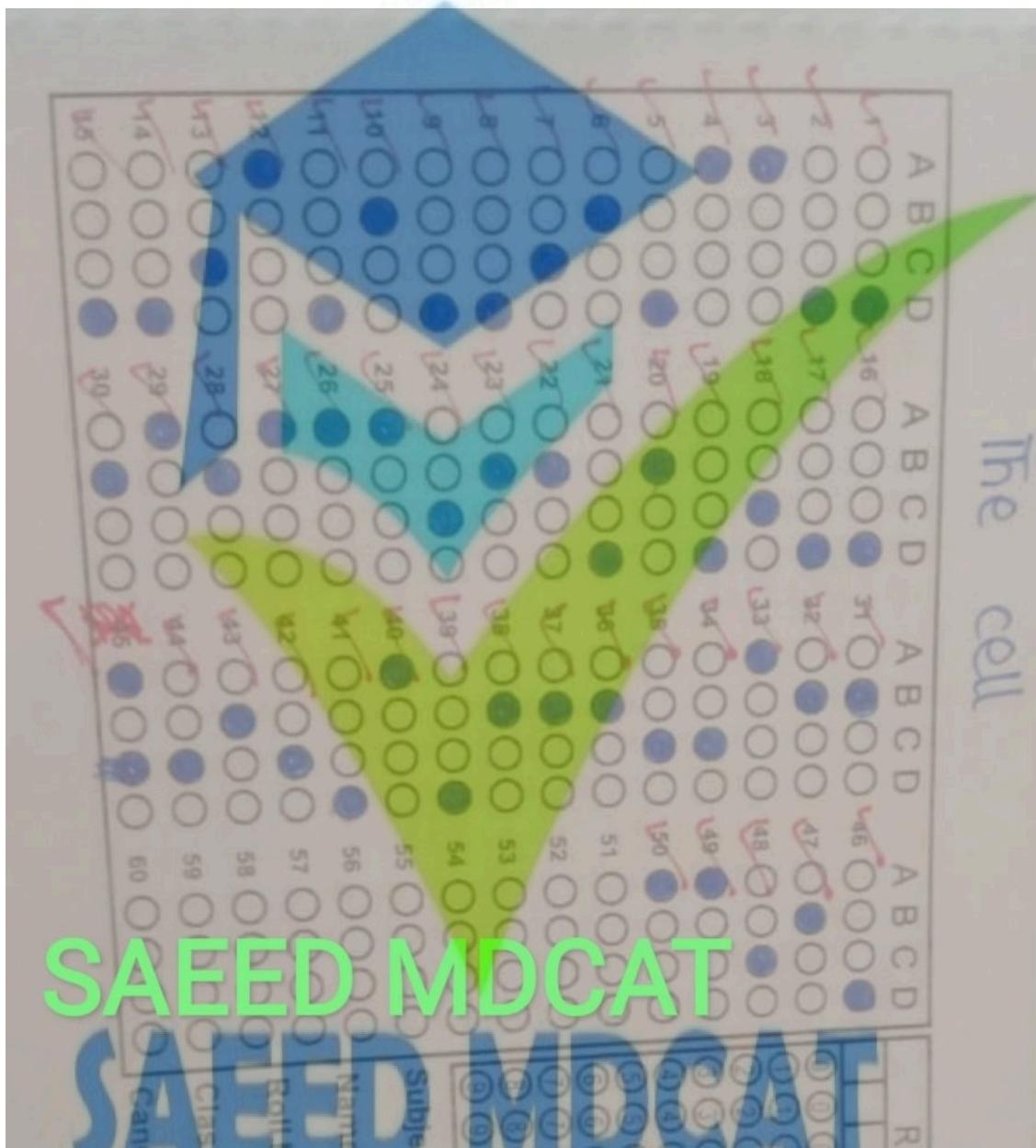
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- Q.17 Golgi vesicles bud off from:**
- A. Rough endoplasmic reticulum
  - C. Smooth endoplasmic reticulum
  - B. Forming face of Golgi apparatus
  - D. Maturing face of Golgi apparatus
- Q.18 It is false about mitochondria:**
- A. Double membranous organelle
  - C. Both membranes are smooth
  - B. Contains mitochondrial matrix
  - D. Varies in number, size and shape
- Q.19 Mitochondrial matrix contains enzymes for all of the following functions except:**
- A. ETC
  - C. Aerobic respiration
  - B. Beta oxidation
  - D. Anaerobic respiration
- Q.20 It is visible in dividing cells:**
- A. Nucleus
  - C. Chromatin fiber
  - B. Chromosome
  - D. Nucleolus
- Q.21 rDNA is associated with:**
- A. Nuclear membrane
  - C. Nucleoplasm
  - B. Peripheral granular area of nucleolus
  - D. Central fibril area of nucleolus
- Q.22 Peptidoglycan is most probably found in:**
- A. Well defined nucleus
  - C. True chromosome
  - B. Cell wall
  - D. Plasmalemma
- Q.23 Which of these is not an ATP dependent process?**
- A. Pinocytosis
  - C. Phagocytosis
  - B. Facilitated diffusion
  - D. Exocytosis
- Q.24 In eukaryotic cell, ribosomes present in cytosol are of:**
- A. 70S
  - C. 80S
  - B. 100S
  - D. Both 70S and 80S
- Q.25 Which of these is not a part of ribosome?**
- A. rDNA
  - C. rRNA
  - B. Ribosomal proteins
  - D. Nucleic Acid
- Q.26 Following is a self-replicating organelle:**
- A. Chloroplast
  - C. Ribosome
  - B. Plasma membrane
  - D. Peroxisomes
- Q.27 Which is near to the plasma membrane?**
- A. Secondary cell wall
  - C. Primary cell wall
  - B. Middle lamella
  - D. Tonoplast
- Q.28 Matrix in mitochondrion is actually:**
- A. Outer compartment
  - C. Inter membranous space
  - B. Inner compartment
  - D. Cristae
- Q.29 Pick an incorrect statement about nucleolus:**
- A. It is an organelle
  - C. It has no separating membrane
  - B. It is factory of synthesis of ribosomes
  - D. It is composed of two regions
- Q.30 Number of autosomal pairs present in human are:**
- A. 44
  - C. 23
  - B. 22
  - D. 46
- Q.31 Cisternae is made up of:**
- A. Glycoproteins
  - C. Glycolipids
  - B. Lipoproteins
  - D. Nucleoproteins
- Q.32 Which of the following is not a part of plasma membrane?**
- A. Cholesterol
  - C. Phospholipids
  - B. Fibers of extracellular matrix
  - D. Glycoproteins
- Q.33 Generally, cells have:**
- A. One nucleus
  - C. Two nuclei
  - B. Micronucleus
  - D. Many nuclei
- Q.34 The term "cell" is not applied to:**
- A. Algae
  - C. Virus
  - B. Bacteria
  - D. Fungi
- Q.35 A cell without its cell wall is termed as:**
- A. Protoplasm
  - C. Protoplast
  - B. Nucleoplasm
  - D. Apoplast





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**Regards.**Huzaifa Saeed,Usama Sohail

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